



# THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

March 2006

# HI-Q



VE3FW—LARC call sign honours the memory of the Founding President P.J. "Pat" O'Shea



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## AMATEUR of the YEAR !



Mike Nawrocki VE3ZG (left) is presented with the AMATEUR of the YEAR for 2006 award by LARC Vice-President Bob VE3RVA at the Annual Meeting and Dinner on February 11, 2006. Congratulations Mike !!

Photo by Leo VE3ATC

- Next Meeting  
Thursday  
March 9, 2006 at the  
McIntyre Building, Con-  
federation College  
Room 191 at 7:30 pm
- FREE VHF handheld to  
be given away at next  
meeting!
- The Ontario QSO Party  
Party starts Saturday,  
April 15th 18:00 Z

## LARC OPEN ACCESS REPEATERS

VE3YQT	Mount Baldy	147.060 (-600) Phone Patch
VE3TBR	St. Joseph's	146.820 (-600) 442.075 (+5 MHz)
VE3BGA	Hillcrest H.S.	145.450 (-600) (IRLP Node VA3LU 123.0 Hz) 442.825 (+5 MHz) (100.0 Hz)
VE3UPP	Upsala	145.470 (-600)



## The Prez Sez.....

The annual dinner meeting was held Saturday, February 11, 2006 at the Slovak Legion. We enjoyed a delicious meal, followed by a short meeting.

3 presentations were made. We have two new Senators. Terry Stewardson **VE3LU** and Ed Baumann **VE3SNW**. Mike Nawrocki **VE3ZG** is amateur of the year.



Jane Oldale from Eco Superior gave a talk about how we can improve the environment. Everyone received a free energy saving light bulb donated by Thunder Bay Hydro.

A number of door prizes were given out. A good time was had by all.

The next meeting will be held Thursday March 9, 2006. Hope to see you there.

Bob **VE3RVA** - Vice President



Joe VE3TBX

### Lakehead Amateur Radio Club Treasurers Report

<b>Opening Balance - February 2, 2006</b>	<b><u>\$ 3,598.58</u></b>
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#### Income

Memberships	\$ 35.00
50/50 Draw	\$ 10.00
Annual Dinner	\$ 475.00
Students	\$ 80.00
Interest	\$ 0.02

<b>Total Income</b>	<b><u>\$ 600.02</u></b>
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#### Expenses

Thunder Bay Telephone	\$ 47.12
Bank Service	\$ 2.50
Con. College - Meetings	\$ 60.00
Con. College - Classes	\$ 60.00
Material - Antenna Base TBRH	\$ 100.00
Mailbox rental	\$ 123.05
Certificate	\$ 51.64

<b>Total Expenses</b>	<b><u>\$ 444.31</u></b>
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<b>Closing Balance - March 2, 2006</b>	<b><u>\$ 3,754.29</u></b>
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**Joe - VE3TBX**  
**Treasurer**

## LARC January 12, 2005 MINUTES

Terry, VA3LU



Terry VA3LU

February 11 2006

### Minutes of Meeting

Meeting called to order by Vice President Bob **VE3RVA**

Members in attendance 29

The Annual Dinner meeting was called to order at 7.45

**Minutes of last meeting** as printed in February Hi-Q 2006. Moved by Terry **VA3LU** and seconded by Glen **VE3ICY** to be accepted as printed. Motion Carried.

**Treasurer report** as printed in February Hi-Q 2006. Moved by Norm **VE3XRC** and seconded by Brad **VE3MXJ** to be accepted as printed. Motion Carried.

### Old Business:

Norm **VE3XRC** Updated us on upcoming March 4 2006 Sibley Sky Tour.

### New Business:

Bob **VE3RVA** Awarded Lifetime Senator Certificates for Two Members of the Lakehead Amateur Radio Club for their many years of service.

Terry **VA3LU** accepted his at the Dinner Meeting and because Ed **VE3SNW** was unable to attend will be presented at a later date.

The Amateur of the year went to Mike **VE3ZG** for his outstanding work for the club.

50/50 draw was won by Leo **VE3ATC**

Motion to adjourned by Brad **VE3MXJ**

Terry **VA3LU**

The Annual Meeting and Dinner, held on February 11th at the Slovak, was well attended by 34 members and guests. Plenty of food was available!  
The LARC meeting was kept short!

Bob **VE3RVA**, Vice-President, honoured 3 members: Mike **VE3ZG**, with 'Amateur of the Year 2006', and two new Senators: Ed **VE3SNW** and Terry **VA3LU**.  
Congratulations to all the recipients!

Jane Oldale, Outreach Coordinator for EcoSuperior Environmental Programs gave a great presentation on Environmental thinking and ways to conserve power. A 20 minute entertaining video was also shown. Power saving light bulbs were handed out at the end of the presentation, along with literature.  
Well done, Jane, the time was well spent!

Several door prizes totaling well over 200 dollars were handed out, much to our enjoyment!

Vice-President Bob **VE3RVA** and his wife, Gail, put a lot of time and effort into sourcing the door prizes from businesses in Thunder Bay, and coming up with a neat way of awarding the prizes. They also did the background planning for the meal arrangement, guest speaker and evenings events.  
Thanks, Bob and Gail, for helping to make this a great evening!



Jane Oldale, Outreach Coordinator



## Letter to the Editor

February 13, 2006

### Whisper campaigns are rampant again.

In the past few months, several local rumours and accusations have started to surface about mismanagement and misuse of club equipment and property items. Some of the anxiety is apparently directed at some individual members.

Its that time again, seems like every few years some members and non-members develop a dislike for a member or members of the Lakehead Amateur Radio Club, and the whisper campaigns are on.

The rumors are flying very rampant again:

The club has lost a thousand dollar controller! We have lost a repeater in the Nipigon area! The club has lost some radio towers! Some members of the technical committee are taking club equipment and using for their own benefit! The IRLP system cost the club a lot of money and why was it off the air for so long?

In addition, others too ridiculous to mention.

### Let us set the record straight.

The controller RC-4 purchased by the club about 5 years ago is installed and working on club repeater **VE3BGA** on Hillcrest School. We lost a repeater in the Nipigon area, now this rumour varies from a full-blown repeater system with controller, duplexers and a radio repeater worth thousands of dollars to a pair of radios with this thousand-dollar controller. The truth is this was a simplex repeater consisting of a NHRC simplex controller that belongs to Laurie **VE3BCD**, a GE Phoenix radio that belongs to Andy **VE3INI**, a vertical antenna that also belongs to Andy, and a 10 Amp power supply that belong to the club. Once again, this is not lost. Andy received it back from Tim about a year ago.

The towers! Now this is really going back before our time, and I really wonder why anyone is digging that far back? Apparently 20 or so years ago when the club had a club station in the old EMO building, there were two, I think 48 foot towers. When the old building was torn down, the towers were taken down and stored in one of the city of Thunder Bay Storage yards. Laurie **VE3BCD**, has a recollection that these towers were owned by the city and not the club's at all! They where already 20 to 30 years old and were showing lots of signs of rust when taken down.

Finally I Say this again, as I seem to have to every year or so. The ECHOIRLP Node 2000 does not belong to the club! It is mine, and has been since day one! The equipment is mine, and the controller was brought with a few individuals donating some money at the time it was put on the air.

### Now for the difficult issue about what is club equipment, what is not.

Over the years there have been specific items donated to the Club to be used in our repeater projects, power supplies, cabinets, repeaters and others. Lots of this equipment came from BFI bins. Maybe we use 10 % for club use and the rest get tossed out because its not suitable, or we may have salvaged some parts to fix other equipment or it plain don't work. Hence, the reason for being in the BFI bin in the first place! Lots of the equipment is so old that parts are unavailable, not suitable for our part of VHF band and need more work then anyone wants to consider, to being made useful.

Now with that being said, the members on the technical committee also collect a lot of their own hardware alias (junk). Sure miss those calls we would receive from Bill **VE3AJ** (Silent Key) about a BFI bin just loaded with obsolete equipment from some business, CRC or previously TBCOMM when they were cleaning out their storage areas, and we had better hustle because the BFI truck was on its way. This equipment was given to us personally to use as we saw fit. If we could fix some old commercial radio or make that old set of duplexers work in our parts of the band that was a bonus! Not every thing that Bill, Andy, Randy, Laurie and I obtained was donated to the Club. We were all very receptive to donating something we had, or could get, to the Club if it had a specific use. We did not donate to the club just for the sake of donating!

One example of this, was the last TBR rebuilt a number of years ago; I donated the Micor repeater, which I had obtained from Bill **VE3AJ** in a swap for a computer, also with the duplexers that I had personally brought from Tim **VE3WCT** to the project.

The thinking was if any one wanted to go to the effort of coming down and digging though the BFI bins for something, it was their. In addition, Bill would fix certain items, especially some of the commercial radios and would sell them to raise a little of his own mad money. Of course members of the technical committee also personally brought many of his radios that he would put up for sale for their own use, I think over the years I had personally obtained at least a dozen or more myself.

### Reply from members of Technical Committee.

Bill **VE3XT** told me once; the only way to have a non-controversial club was to not own any equipment of any type or to contemplate buying any. But, in the real world, we install and run repeaters system for the benefit of our local amateurs, and while there will be controversy at times -that we can deal with!

*Letter to Editor Continued on next page*





## Letter to Editor Continued .....

I

If you have a question, ask one of us, don't get in the rumors game! Some accusations are getting very personal and that is very unprofessional, and hurtful to the members of the committee.

If the members look at our committee and realize we are getting older and there are not many coming into the club that can take our place, so we cannot afford to lose any of our committee members.

Moreover, the most important thing I can say, is we are all **VOLUNTEERS** and have like any one else a family and personal life of our own. There are no rules stating that we have to accept being personally insulted.

## For the Record

I am going to list what I recall the **club actually purchasing over the last 18 years** that I have been a Member. Keep in mind I do not have the financial records here so I, am going by memory and if I miss something, it is my advancing age. I am only listing this just to show that we know where it is used or if it in storage and to show that nothing is missing that we know of. This list only deals with equipment actually purchased.

DRC 386 Controller \$3200 currently on TBR

Sinclair Reslock VHF Duplexers \$1100 currently on YQT

Book blinding machine \$200 currently in storage at VE3BCD

Blue Star VHF Antenna \$1200 currently on YQT

Diamond Dual Band X50 Antenna \$500 currently on BGA

LinkComm RC-2 Controller \$400 currently on UPP

LinkComm RC-4 Controller \$1000 currently on BGA

2 Midland used 530 console UHF radios \$80 one link on BGA other storage as spare VA3LU

10 amp power supply \$40 currently stored VE3INI

2 S-com repeater controllers model 5-K \$150 each one on TBR 440 Rpt. Other stored VA3LU

MRS2000 UHF Repeater \$800 to be used for TBR rebuilt currently in installation mode at VA3LU

Now, there has been some maintenance items, parts, crystals etc. purchased for repairs or installations, I don't ever recall any repairs being very expensive, except for the \$500 to have YQT antenna installed.

There are items that have been donated, and I am in the process of updating the clubs inventory. Seems like the last one was done about 15 years ago! The list will be available to any club member that wants to look at it, when finished. This may take a while and I will work on it when I have time.

I am only going to list the equipment on the inventory that actually has a value if it were to be sold, not every nut, bolt, IF strip or 50 year old commercial radio that doesn't work. If any member has a problem with that, please bring it up at the next meeting.

After the inventory is finished, I am going to recommend to the club that we auction off any unnecessary items.

## Finally

Can you imagine a new amateur just getting his first call - he or she is excited and proud and gung ho to learn all about the hobby and its members? They are invited to a coffee call and, wow, going to meet some others with the same interests and maybe learn more about the hobby!

Before you know it, the conversation has shifted to the whisper campaigns!

Terry VA3LU

**The Ontario QSO Party**  
runs Saturday, April 15th 18:00 Z  
to Sunday, April 16th 18:00 Z  
The event is now being sponsored by  
the Contest Club Ontario (CCO)

Contest rules are detail can be found at:

<http://cco.ve3xd.com/oqp/index.htm>

**The idea is - the world works Ontario Amateurs :-)**

It should be a lot of fun, and hope everyone spreads the word!

Please post this in HI-Q as well

Thanks

Tom VE3CX

## A couple more interesting web sites

### Antenna Assembly Manuals Section

<http://www.cbtricks.com/ant.htm>

thanks to Wayne VE3WRL

### Plane May Aid Illegal Broadcasts to Cuba

<http://www.radiohc.cu/ingles/especiales/enero06/especiales11ene.htm> Maybe put this link into

HI-Q, pretty interesting. thanks to Fred VE3FAL



## Robert's Rules of Order - Summary Version

### For Fair and Orderly Meetings & Conventions

Provides common rules and procedures for deliberation and debate in order to place the whole membership on the same footing and speaking the same language. The conduct of ALL business is controlled by the general will of the whole membership - the right of the deliberate majority to decide. Complementary is the right of at least a strong minority to require the majority to be deliberate - to act according to its considered judgment AFTER a full and fair "working through" of the issues involved. Robert's Rules provides for constructive and democratic meetings, to help, not hinder, the business of the assembly. Under no circumstances should "undue strictness" be allowed to intimidate members or limit full participation.

The fundamental right of deliberative assemblies require all questions to be thoroughly discussed before taking action!

The assembly rules - they have the final say on everything!  
Silence means consent!

- Obtain the floor (the right to speak) by being the first to stand when the person speaking has finished; state Mr./Madam Chairman. Raising your hand means nothing, and standing while another has the floor is out of order! Must be recognized by the Chair before speaking!
- Debate can not begin until the Chair has stated the motion or resolution and asked "are you ready for the question?" If no one rises, the chair calls for the vote!
- Before the motion is stated by the Chair (the question) members may suggest modification of the motion; the mover can modify as he pleases, or even withdraw the motion without consent of the seconder; if mover modifies, the seconder can withdraw the second.
- The "immediately pending question" is the last question stated by the Chair! Motion/Resolution - Amendment - Motion to Postpone
- The member moving the "immediately pending question" is entitled to preference to the floor!
- No member can speak twice to the same issue until everyone else wishing to speak has spoken to it once!
- All remarks must be directed to the Chair. Remarks must be courteous in language and deportment - avoid all personalities, never allude to others by name or to motives! The agenda and all committee reports are merely recommendations! When presented to the assembly and the question is stated, debate begins and changes occur!
- The agenda and all committee reports are merely recommendations! When presented to the assembly and the question is stated, debate begins and changes occur!

## The Rules

- **Point of Privilege:** Pertains to noise, personal comfort, etc. - may interrupt only if necessary!
- **Parliamentary Inquiry:** Inquire as to the correct motion - to accomplish a desired result, or raise a point of order
- **Point of Information:** Generally applies to information desired from the speaker: "I should like to ask the (speaker) a question."
- **Orders of the Day (Agenda):** A call to adhere to the agenda (a deviation from the agenda requires Suspending the Rules)

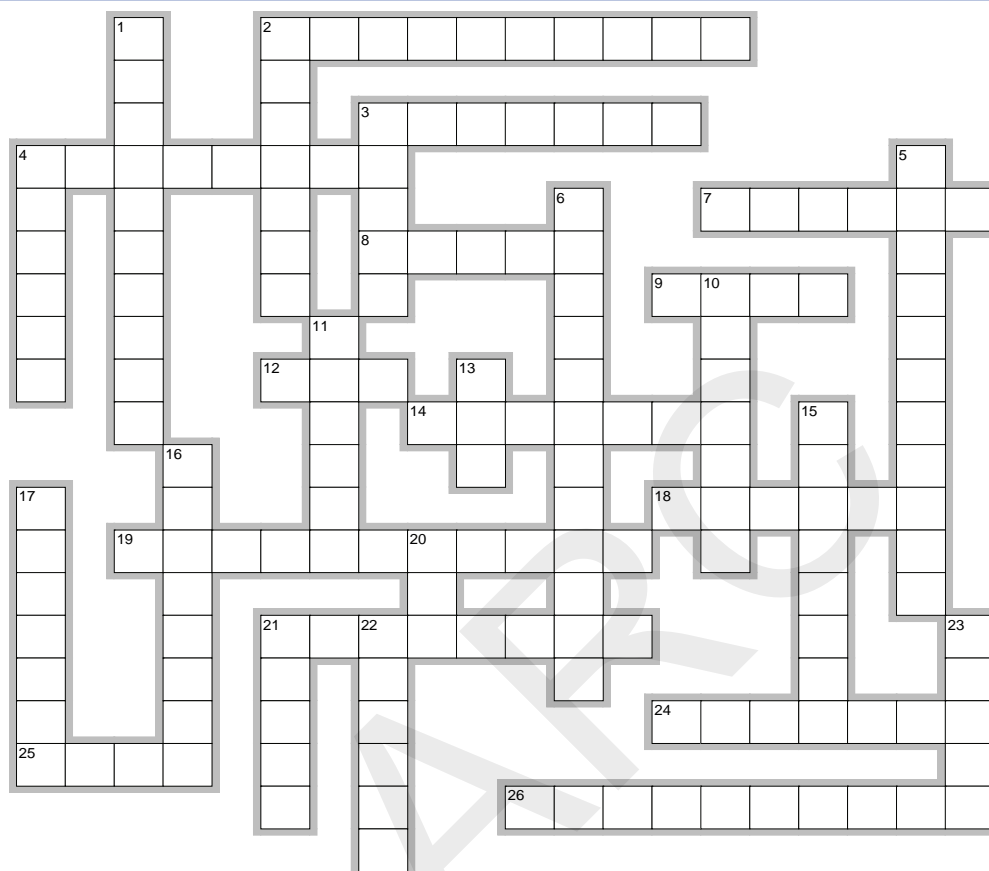
- **Point of Order:** Infraction of the rules, or improper decorum in speaking. Must be raised immediately after the error is made
  - **Main Motion:** Brings new business (the next item on the agenda) before the assembly
  - **Divide the Question:** Divides a motion into two or more separate motions (must be able to stand on their own)
  - **Consider by Paragraph:** Adoption of paper is held until all paragraphs are debated and amended and entire paper is satisfactory; after all paragraphs are considered, the entire paper is then open to amendment, and paragraphs may be further amended. Any Preamble can not be considered until debate on the body of the paper has ceased.
  - **Amend:** Inserting or striking out words or paragraphs, or substituting whole paragraphs or resolutions
  - **Withdraw/Modify Motion:** Applies only after question is stated; mover can accept an amendment without obtaining the floor
  - **Commit /Refer/Recommit to Committee:** State the committee to receive the question or resolution; if no committee exists include size of committee desired and method of selecting the members (election or appointment).
  - **Extend Debate:** Applies only to the immediately pending question; extends until a certain time or for a certain period of time
  - **Limit Debate:** Closing debate at a certain time, or limiting to a certain period of time
  - **Postpone to a Certain Time:** State the time the motion or agenda item will be resumed
  - **Object to Consideration:** Objection must be stated before discussion or another motion is stated
  - **Lay on the Table:** Temporarily suspends further consideration/action on pending question; may be made after motion to close debate has carried or is pending
  - **Take from the Table:** Resumes consideration of item previously "laid on the table" - state the motion to take from the table
  - **Reconsider:** Can be made only by one on the prevailing side who has changed position or view
  - **Postpone Indefinitely:** Kills the question/resolution for this session - exception: the motion to reconsider can be made this session
  - **Previous Question:** Closes debate if successful - may be moved to "Close Debate" if preferred
  - **Informal Consideration:** Move that the assembly go into "**Committee of the Whole**" - informal debate as if in committee; this committee may limit number or length of speeches or close debate by other means by a 2/3 vote. All votes, however, are formal.
  - **Appeal Decision of the Chair:** Appeal for the assembly to decide - must be made before other business is resumed; NOT debatable if relates to decorum, violation of rules or order of business
  - **Suspend the Rules:** Allows a violation of the assembly's own rules (except Constitution); the object of the suspension must be specified
- © 1997 Beverly Kennedy

There we have it!!! Last month the LARC Constitution was published and now with Roberts Rules this month, our meetings will be really orderly and lively! Right?



# Propagation Puzzle

by Ed VE3SNW



## Down

1. Frequencies above this head out into space
2. One of these stations in in Colorado, the other one is here
3. Part of the atmosphere where radio waves get bent
5. cooler region on the sun
6. At night the F layers do this
10. this wave is bent in the lower atmosphere
11. d,e,f1,f2 are this
12. the signal strength keeps going up and down
16. this is inversely proportional to frequency, also a good quality in a paper towel.
18. Frequencies below this are absorbed in the D layer
20. my furnace would use this kind of propagation
21. This isn't the real height of the ionosphere, and it changes with frequency
22. listening to these stations can give you some idea of the conditions

## Across

1. more than one bounce
4. happens occasionally, usually in the spring
7. every eleven years!
8. if the earth didn't have this field...my compass wouldn't work
9. if you are in this zone you won't hear a thing
12. an eruption on the sun
13. yagi, windom, vertical, dipole for example
14. thick
15. A Sailboat can't use this kind of wind
17. an atom becomes this when it loses an electron
19. this wave is vertically polarized and is afraid of heights
23. this frequency penetrates the ionosphere instead of returning to earth...sounds like it belongs in a hospital
24. my signal is going all over the place, forward and back
25. some people lack this skill, but it is what we hams do
26. this gets the signal to the antenna
27. Short for Near Vertical Incidence Signals

Put your thinking cap on! Answers in April Hi-Q to give you time to work this out!





## PIC Training



On March 1, 2006 members of the LARC were advancing their knowledge by attending a hands on course in programming the PIC microcontroller.

Bill VE3XT instructed the one evening course covering digital logic, microprocessor structure, and actual programming using MPLAB Integrated Development Environment software from Microchip.

The course was held at the Confederation College.

The evenings theory and practical assignments were well prepared and presented by Bill and were well received by the participants.

As time permits, Bill has mentioned that we may see more and varied evening sessions on different aspects of today's technology as time permits. He is willing to cover subjects from the very basic to more advanced if there is enough interest.

Look for future announcements !

### More information on the Pic microcontroller

#### [Microchip website](#)

Information and more on the microcontroller, free lab software, free samples, coding examples, and lots more



Photos by Leo VE3ATC





## WIN THIS



All you have to do is attend the next regular meeting on Thursday March 9th at the usual time and place!

One fully programmed VHF handheld unit like the above will be given away in an attendance draw.

**Come on out! This could be yours FREE!**

## Sibley Ski Tour

LARC was well represented at the Sibley Ski Tour held on March 4, 2006 at Sleeping Giant Provincial Park.

As with past years, a Net Control was set up, and members provided communications for event staff as well as emergency situations along the different ski trails.

Members were located at Net Control, Start and Finish line, and at ski trail checkpoints, some of which were only accessed by snowmobile. (Unless you were a skier of course!)

Norm **VE3XRC** is the co-coordinator for the LARC crew!



Above: Start / Finish Line -  
Linda VE3XLB, Maureen VA3MOB, Norm VE3XRC

Below: Net Control -  
Leo VE3ATC, Terry VA3LU





## Editors QSK...

### ON THE WEB

thanks to  
John,  
VE3EMI



**Speed Bump Power**  
<http://www.exn.ca/news/video/exn2006/01/30/exn20060130-speedbump.aspx>

**You can down load  
your own virtual  
enigma program**  
<http://w1tp.com/enigma/>

**Faster Data Transfer -  
WiFi Speed Spray™**  
<http://www.j-walk.com/other/wifispray/>

**Interesting Generator**  
<http://www.elektronikforumet.com/forum/viewtopic.php?t=9097&highlight>

The early bird may get the worm but the second mouse always gets the cheese.

A truly happy person is one who can enjoy the scenery of a detour

- Randy VA3OJ

With the arrival of March, we are starting to feel the warm sun again! This seems to start the 'let's get outdoors' feeling so we already think of camping, kayaking, canoeing, etc.!

An interesting addition to our shack would be a QRP rig that we can easily take outdoors on these excursions.

The challenge of working low power in a high power world can be frustrating, but rewarding when those contacts are made!

I have found that QRP can be an interesting world in that portable antenna types, setups, packaging, power sources etc. gave me a lot of new challenging projects! Worth considering, for sure, if you want to liven up your outdoor trips!

LARC's contribution to the Sibley Ski Tour on March 4th went well, with two medical related communications handled along with the routine communications for support and skier progress monitoring.

Norm **VE3XRC** has been LARC's coordinator with the Sibley Ski Tour and has done an excellent job. Exposure to

large events such as this certainly helps to keep our club in the public eye!

If you have pictures of checkpoints, etc from the tour, send them to me for next Hi-Q!

I was able to attend the evening PIC microcontroller information and practical presentation by Bill **VE3XT** on March 1st. Bill put on a great presentation that gave an insight into the micro world with well prepared theory and practical hands on assignment. I would highly recommend attending future presentations!

Don't forget!! By just attending the next meeting on March 9th, you could be the proud owner of a programmed VHF handheld!

Thanks to all the contributors for this months Hi-Q! Your newsletter is only as good as we all make it!

That's it for now.

---  
73, Leo VE3ATC  
email: [ve3atc@spruce.ca](mailto:ve3atc@spruce.ca)

Ps. Not a writer and have a story or pictures? Contact me and I will help get it out!

Next regular meeting

**Thursday**

**March 9, 2006**

McIntyre Building, Confederation College

Room 191

**7:30 pm**

**YOU COULD WIN A HANDHELD!!**

### A BIT OF WIT .....

One of the best marksman in the FBI was passing through a small town in Minnesota. Everywhere he saw evidence of the most amazing shooting. On trees, on walls and on the fences there were numerous bull's eyes with the bullet hole dead in the centre.

The agent asked the townsfolk if he could meet the person that could shoot like that. The man in question turned out to be two men, Ole and Lars.

Getting together with these two, the agent inquired, " This is the best marksmanship I have ever seen. How in the world do you do it? Where did you get your training?"

"Notting to it," said Ole, "ve shoot first and draw the circles afterwards."

-Randy VA3OJ



## THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

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Club E-mail: [VE3FW@rac.ca](mailto:VE3FW@rac.ca)

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<http://www.larclub.net>

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Leo VE3ATC 939-1020

Hi-Q is published monthly on the Sunday preceding the monthly meeting. Monthly meetings are held on the second Thursday of each month, except for July and August. Your submissions are welcome at any time. Submit early to ensure publication in next issue! Send to editor at [ve3atc@spruce.ca](mailto:ve3atc@spruce.ca)



LARC is a member of [RAC](#)

## LARC PUBLIC SERVICES

### ARES

#### District Emergency Coordinator

VE3FAL Fred Lesnick 577-0789

#### Emergency Coordinator

VA3OJ Randy Gottfred 474-0910

### CANWARN

VA3JMS John 767-3631

VE3MXJ Brad 767-0628

### PUBLIC SERVICE EVENTS

VE3MXJ Brad 767-0628

VA3JMS John 767-3631

### RAC

[Radio Amateurs of Canada](#)

## LARC SENATE

Keith Fiske

VE3JQ

Pat Doherty

VE3PD

Dave Kimpton

VE3AVS

Laurie Bridgett

VE3BCD

Terry Stewardson

VA3LU

Ed Baumann

VE3SNW

## LARC EXECUTIVE 2005—2006

### President

John Sacek

VA3JMS

767-3631

### Vice-President

Bob Hansen

VE3RVA

767-6924

### Secretary

Terry Stewardson

VA3LU

577-9439

### Treasurer

Joe Coghlan

VE3TBX

344-6566

### Directors

Brad Harris

VE3MXJ

767-0628

Manuel MIGUELS

VE3MPT

475-5686

Fort Michelizzi

VE3MCZ

475-0971

Mark Vaillant

VA3MVR

### Past President

Bill Unger

VE3XT

344-1848

## About LARC

Lakehead Amateur Radio Club members have all levels of interest and knowledge in the wide spectrum of amateur radio.

Monthly meetings and contact with other members allow us to share and discuss different ideas, and to learn from each other.

LARC membership meetings are held the second Thursday of each month, September through June at 7:30 PM local time at the McIntyre Building, Confederation College Room 191

Each meeting consists of a mix of technical and light-hearted topics, with a break for meeting friends and new friends.

Anyone with an interest in ham radio is invited to join us.

Amateur radio classes are also administered by LARC to help you with your Amateur Radio License

*contact any of the Executive members above for more information*





## 2005/2006 MEMBERSHIP/RENEWAL APPLICATION

**LAKEHEAD AMATEUR RADIO CLUB INC**  
**1100C MEMORIAL AVE, SUITE 184,**  
**THUNDER BAY, ONT P7B4A3**

### CLASS OF MEMBERSHIP

**FULL MEMBERSHIP \$35.00-open only to licensed amateurs**

NAME: \_\_\_\_\_ EMAIL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_

TELEPHONE: (     ) \_\_\_\_\_ POSTAL CODE: \_\_\_\_\_

MAY WE PUBLISH THE PHONE NUMBER yes / no

MAY WE DELIVER HI-Q BY E-MAIL? yes / no

CALL(S) \_\_\_\_\_

**FAMILY MEMBERSHIP- immediate family residing at the same address holding licenses.**  
**\$35.00 plus \$10.00 for each additional amateur.**

**NAMES AND CALLS** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**STUDENT MEMBERSHIP- \$15.00-open to persons enrolled full time in an education**  
**facility, list School and program** \_\_\_\_\_

**ASSOCIATE MEMBERSHIP-\$20.00-upon approval of the Board and open to:**

- 1) Non holders of an amateur radio license.
  - 2) Licensed amateurs living outside the immediate Thunder Bay area or are unable to attend regular meetings of the club.
- If you feel you qualify for associate membership, please indicate why, on a separate sheet, to be used by the Board to consider your application.**

**Please mail or bring this form to the next meeting with your cash or cheque for membership fees.**

**Cheques should be made payable to Lakehead Amateur Radio Club.**

**Applications and cheques can also be dropped off at the above address.**